RIPE Atlas CLI Toolset

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RIPE Atlas CLI Toolset - Motivation

- Some operators and researchers prefer interacting with RIPE Atlas "the old fashioned way"

- Multiple people ended up writing similar scripts to do just slightly different tasks

- So the development team stepped up to create and maintain a toolset for this

RIPE Atlas CLI Toolset - Functions

- Main functions currently:

  - Search for probes matching some criteria

  - Search for existing measurements matching a criteria

  - Measure and report "right now"

  - Schedule measurements

  - Report on existing measurements

  - Listen to streams of measurement results

- Many of these support various levels of aggregation (AS, prefix, country, …)

RIPE Atlas CLI Toolset - Functions

- One example:

```
$ ripe-atlas measure ping --target nl-ams-as3333.anchors.atlas.ripe.net --from-probes 6081,6060,6070 --description
 "Ping the NL-AMS anchor"

Looking good!  Your measurement was created and details about it can be found here:

  https://atlas.ripe.net/measurements/2969743/


Connecting to stream...

48 bytes from probe #6060  81.91.160.92     to 193.0.19.107 (193.0.19.107): ttl=57 times:7.447,   9.576,   8.23,
48 bytes from probe #6070  185.54.168.245  to 193.0.19.107 (193.0.19.107): ttl=59 times:7.302,   7.781,   6.358,
48 bytes from probe #6081  194.150.191.46  to 193.0.19.107 (193.0.19.107): ttl=59 times:13.522,  14.503,  14.124,
^C
Disconnecting from stream

You can find details about this measurement here:

  https://atlas.ripe.net/measurements/2969743/
```

RIPE Atlas CLI Toolset - Contribute

- RIPE Atlas toolset (Magellan)

  - https://github.com/RIPE-NCC/ripe-atlas-tools

- Related: RIPE Atlas result parser (Sagan)

  - https://github.com/RIPE-NCC/ripe.atlas.sagan

- Related: RIPE Atlas API wrapper (Cousteau)

  - https://github.com/RIPE-NCC/ripe-atlas-cousteau

- All three are open source and we'd love to work with the community to extend them!

RIPE Atlas CLI Toolset - Contribute

- We'd also like help with packaging

  - Currently we have github and PyPI presence

  - OpenBSD packaging is done (Florian Obser)

  - But it'd be nice to have other *BSD, Linux (Debian/RedHat/ …) and OS X packages too!

  - If you happen to know how to do this or you are a package maintainer…

- Otherwise: just give it a try!

Questions

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